

Note Book.

Jefferson Med. College.
Session 1862-63.

David B. Wilson.

Jan. 29th. 1863.

Act. Book

James M. Smith

Dec 2nd 1830

Wm. W. Phelps

John C. Bennett

John A. Smith

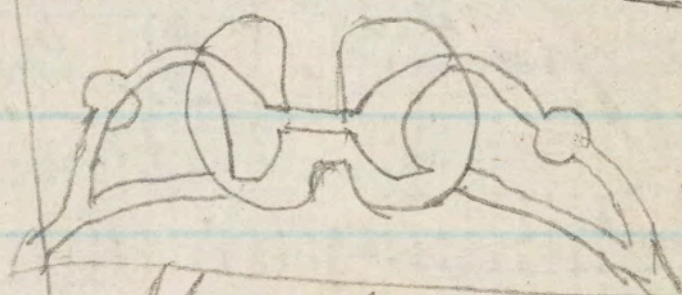
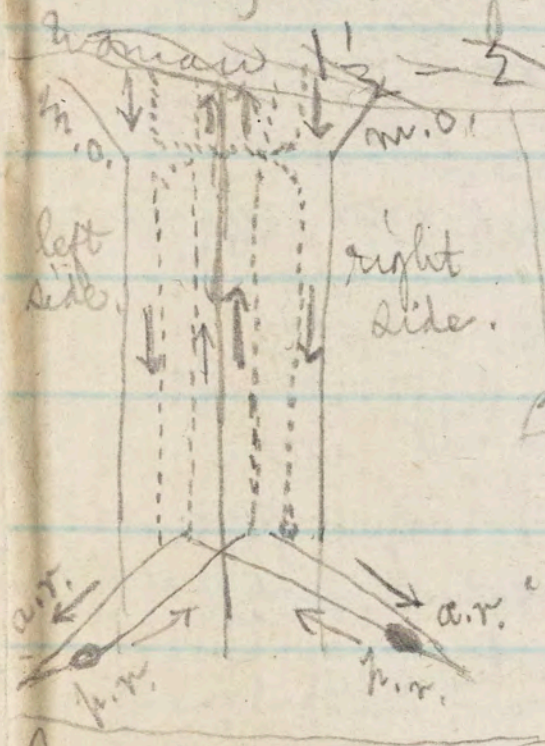
John W. Taylor

... Dutch structure
 as hemis - each, lepper - cu -
 32 - Sp. gr. 8.9. cu with O, cu₂O - cu₂O
cu₂O = cu₂cl and ro = (cu₂O) and Kcl. cu
 with cl, cu₂cl and cucl. Protocide of
copper as a base, Nitrate cuO, NO₂ + 3H₂O.
Sulphur Ammonium U.S. cu₂O, SO₃ and 5H₂O.
NH₄O, SO₂ = cuO, SO₂ and NH₄O, SO₃. cuO, SO₃
 - - - native carbonate (malachite) is a subcar-
 bonate, 2(cuO, SO₃) and K₂bfy = cu₂bfy and
2(KO, SO₃). - Bismuthum U.S., Bi - 213 -
sp. gr. 9.8. Melting pt. 476°. Bi with O,
BiO₃, BiO₅. Bi reddish tint, Amorphous
not ductile nor can it be beaten out, it
is pulverizable. BiO₃, 3NO₂ (white bismuth);
cu & S natural Copper pyrites, as an oxide.
ruby copper ore, subcarbonate of copper (mal-
chite). native as cu. There is a green and
 a blue malachite. cu react (cu₂S +
Bi₂S₃) Copper pyrites. Heat drives off S
 and oxidizes it. to then takes O and gives
pure (cu). reduced, (1/2 of O) impurity -
Sulphate of copper in solution. Iron red with col-
lect pure cu. add dilute cl₂ for the iron and
pure cu (button of copper). SO₂ not affecting
cu. Titanium only other red metal. Iron and
cu (most tenacious metals). cu beaten out
 Dutch gold leaf. cucl cuO in Hcl -
cucl and H₂O - cucl + cu - cu₂cl
 (cu₂cl)

$\text{Cu}_2 \text{Cl}$ (dry) red, (hydrates) orange,
rusty copper ore is $\text{Cu}_2 \text{Cl}$. — CuO —
 CuO , SO_3 & H_2O will give CuO (black).
 Cu will burn in Cl_2 (but Cl_2 & H_2O result).
 $2(\text{Cu Cl}) = \text{Cu}_2 \text{Cl} + \text{Cl}_2$. Cu Cl (green)
(heated to 400°), Cu Cl (solution) and
 $\text{Cu} = \text{Cu}_2 \text{Cl}$. (~~green~~) — CuO , NO_5 —
($\text{NO}_5 + 3\text{H}_2\text{O}$ on Cu , NO_2 and $3(\text{CuO}, \text{NO}_5)$)
 CuO , NO_5 deliquescent somewhat
and soluble. Rubbed on tin foil, gives
off fire, add H_2O to CuO , NO_5 ,
ammonia + throws down CuO , and
yet takes up the CuO thrown down —
 SO_3 will only act on Cu only when
boiling SO_3 & the O goes to Cu ,
and CuO , SO_3 efflorescent, soluble
in 4 parts of cold + $1\frac{1}{2}$ of boiling
water. Leip. Ammon. 2 of CuO , SO_3 +
3 of ammonia sesquicarb. gives a paste
quite moist. (ot of crystallization).
dried, ammonia in excess. CuO , CO_2 —
 CuO , SO_3 + K_2O , CO_2 = CuO , CO_2 and
 K_2O , SO_3 (CuO , NO_5 + K_2O , CO_2 give it).
a paint. Cu + Baramine (Zinc) =
brass. bronze, Cannon, bell metal,
alloys. Test ferrocyan. of K. gives

a brown color. — Carb; of bismuth; Wallace:

Keep woman out of bed as long as possible
till second stage. — bed, oil cloth; blanket
folded, sheet, (over mat.) rupture membranes,
presentation and position, support perineum,
(hand + pad.) by left hand, wait 5 mts, to
see if shoulders &c. will come. If not,
help, encourage woman, look to uterus,
attend to young ~~woman~~ one, (puff,
cold bath, spunk, inspire &c., (10 mts.).
all operations about the case laid before
us, wait 10-15 mts. for placenta &c. "in
button placenta". (Maigis), Cannon ball
uterus, turn her on back, Chills, bandage ^{the}
towel, cloth for discharge, stay $\frac{1}{2}$ hr.
woman $\frac{1}{2}$ - 2 hr. at - 1 hr. Δ .



M. 160 drops of
Paregonic Elixir are
equal to 20 drops of
Laudanum. 6 to 8 drops for young
child at first. Wallace, wear bandage
for five or six weeks. Keep her down in bed
give her some light food, no coffee, cold water
cup of. Lard the child, (partly sebacous
cuticle, dressing the cord, grease the naps,
wrap flannel around child.

child requires its mother's ^{own} breast, nothing
else, breast at once, when "woman is
put up in bed." Expression of face.
hot herb tea cloth soaked in ^{with} ~~an~~ ⁱⁿ abdomen
wine out, (hot herb tea). 12 hrs.
after this is. 4th. day to woman
give oil, or enema. (6-10). lochia
discharge, watch if pulse stays up.
10 days under your care.
six weeks uterine all right
as usual. Let her rise

10th. day. after pains.
(cong. cont.). Clast; vitiated.
not in first labor. Irregular.
duration $\frac{2}{3}$ rds. regular
labor pain. G. Feb. 2nd. 1863.

Scrotoal hernia. put on a vertical
pad if ~~hope of~~ if demands it.
(no cure from pad, for no place for
sealing up effusion & consolidation.
(too much tendinous structure). Con-
striction is very severe, invert thigh.
(relaxed cruciate ligament). You
can use manipulation, Gross
never operated. - Incision parallel
to Ponsart's ligament, (below).
notch, do not cut, knife upwards
& inwards. (1 out of 4 obturator branch
of epigastric artery). Scrotoal hernia.

B. Mercury (Hydrargyrum U.S.) Hg - 200
 Sp. gr. 13.5. Boiling p. 662°. Hg with O,
 HgO - HgO₂. HgO in two forms - Ash-colored
 Hg bl and CaO = HgO + Ca bl. Black —
 Hg bl and KO = HgO + K bl. Hydrargyrum
 Oxidum Nigrum U.S. HgO₂ made (a) By
 heat alone (b) By precipitation (c) by nitric
 acid. (b.) HgO₂, 2 NO₅ and 2 KO = HgO₂ and
 2 (KO, NO₅). (c.) Hydrargyri Oxidum Rubrum
U.S. (red precipitate). Hydrargyri
 Oxidi, Hg with S, HgS - HgS₂ - Ethiops
 mineral, HgS₂ + 10½ S. Hydrargyrum
 Sulphuretum Rubrum U.S. Hg with
 bl. Hydrargyri Chloridum Corrosivum
U.S. Hg bl₂. Hydrargyri Chloridum
 Mite, Hg bl. Hg bl₂. (Sublime HgO₂ SO₃
 and 2 Na bl = Hg bl₂ and 2 (NaO, SO₃),
 HgO, SO₃ + Na bl = Hg bl and NaO, SO₃.

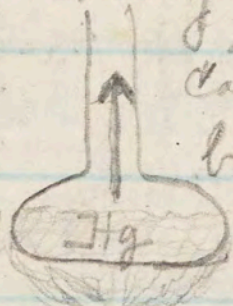
Mercury as a bisulphuret (native cinnabar), and
 in free state, distilled with CaO pipe
 under water. Lead & S combine, and
 Hg sinks. When Condensed Sp. gr. 14.4.
 (at - 39°, Can be beaten out as lead.) if
 dark, and imperfect globule then not
 pure. ("draw a tail"). Volatile pure Hg
 and impurities will remain. Cold SO₃
 does not dissolve Hg but will take away
 metals if present. Heat the SO₃ and metals

will deposit. HCl does not act, hot or cold. NO_5 readily cold or hot. SO_3 if cold, not; - if hot, it does. (=

$8\text{H}_2 + \text{O}$ which goes to Hg and HgO_2 , 2SO_3 formed. $2(\text{HgO}) =$

Hg and HgO_2 (naturally). HgO_2 , $\frac{1}{2}$ Hg at high heat.

Mercury. HgO_2 by precipitation. Regnault says Hg is anhydrous.



NO_5 + boiled with Hg may give

HgO_2 , NO_5 or HgO_2 , 2NO_5 . Drive off

NO_5 and get HgO_2 . scaly, acid,

and slightly soluble. color changed

by heat but returns. Red lead

non-volatile. HgO_2 is volatile.

HgO by minute trituration with viscous

or fatty substances. Hg cum Magn .

Dub. Hg cum Lacta , U.S. . Hg with

Rosae Confect = Blue mass, (Pillule

Hydrargyri , U.S.), gr. i Hg in 3.

Hg with Lard & Suet , Unguent, Hydrargyri .

U.S. 1 (Blue ointment). Res precip,

ointment, (3ij to 3ij). NH_4S to

HgO , $\text{NO}_5 = \text{HgO}$ (black, and

NH_4O , NO_5 (floats). HgS_2 (fac-

Yellow streak HgCl given when scratched.

Hg & S melted (dark reddish) under
levigation and under sol. of KO becomes
verm. of commerce, Ethiops mineral
thrown out, (Hg & S rubbed up.) (Hydrargyrum
Sulphuratum Nymus U.S.)

(HgCl₂ and Hg₂Cl₂ form solution
gr. with water), HgCl₂
and alkalis give yellow color. (HgO
formed, (gr x v to lime water of
"yellow wash", "Lotion Flava". Test. white
of eggs, albuminate of mercury (insoluble).

$HgO + 2SO_3 + 2Hg$ (rub up) = $2(HgSO_4)$

M. Paint eye with laudanum in impaired
vision of aged persons, R. Dr. Luini:
ammoniated tinct. valerian

Val: root 3iv good diet
omitted

Arrocat. Spts. Ammon. (2) D. Policeman
drinking bottles

vinegar. (Wallace. Easy labor gives after
pains generally, clot, after pains, pulse
very near regular standard, moving
increases them, steady uterus, & her, R.
Laudanum injection, R. Camphor + Opium.
Chloroform, hot gin, brandy "show"
"cleaning", lochia, 8 napkins, break
large clot up, after 1st stage when milk comes.
Lochia Change color from red at 5-8 days.

no blood should be seen after 21st day.
Something wrong. Examine. Lochia
longer in non nursing women, strange
odor. (odor of eggs). Beware of cadaveric
odor. Do not inject uterus, suppression
of the lochia, before five days.

Colonel } may be metastasis.

Pulv: Dover } Milk, Lactation.

Senna tea } Thin yellow

serous fluid at time of delivery,
when milk comes, lochia diminish.
cheerful look, flushed face. B.

Hydrargyrum Ammoniatum U.S. (white
precipitate) $Hg\ Cl_2$, NH_4 . $Hg\ Cl_2$ and
 $2NH_3 = Hg\ Cl_2$, NH_4 and $NH_4\ Cl$. Hg
with I , $Hg\ I$ - $Hg\ I_2$ - $Hg\ I + NH_4\ I$.

Hydrargyrum Iodidum Rubrum U.S.
 $Hg\ Cl_2$ and $2KI = Hg\ I_2$ and $2K\ Cl$.

Hydrargyrum Iodidum U.S. $Hg\ O$, NO_5
and $KI = Hg\ I$ and KO , NO_5 . Hg with

Cey. Hydrargyri Cyanuretum, $Hg\ Cey_2$
oxides of mercury as bases, Nitrates, (4), $Hg\ O$,

NO_5 - $Hg\ Cl_2$, $2NO_5$. $Hg\ O_2$, NO_5 - $Hg\ O$,
 $2NO_5$ (acid), $Hg\ O$, NO_5 and $Na\ Cl =$

$Hg\ Cl$ and NaO , NO_5 . Unguentum

Hydrargyri Nitratis U.S., Citrine
ointment, Liquor Hydrargyri nitratis

New U.S.P. Sulphates, (3), $Hg\ O$, SO_3 .

Robert Gordon

Calomel is powdered & washed away $HgCl_2$
(by KI red color given). Hydro-sublimed
Calomel, (sublimed calomel into steam,
Howard's powder falls). Black wash
($gr. x + x$ to $ofo.$). Corrosive sub. Soluble
in water & ether, Calomel not so.

ammonia, Mercury is violently poisonous.
 HgI_2 ~~Edinway~~ $Hg(8) + 3(10)$ rubbed up and dissolve
in sol. hot. of Nalel & HgI_2 precipitates
on cooling. (Crystal), dimorphous, out of
two colors, yellow & red. HgI (viride).
greenish-yellow. ~~change color~~ (new U.S.P.)

$HgI + HgI_2$. $HgO, NO_5 + HgO_2, 2NO_5$ of HgI_2
($HgI + HgI_2$) and $3(KO, NO_5)$, (intermediate
tent.). HgI_2 , red precip. & pure Prussian
blue boiled together gives this, Sparocrytals,
very poisonous. White precip. ointment, HgO, NO_5 .

$HgO_2, 2SO_3 - 3HgO_2, 2SO_3$ (excess of weak cold
precipitates Calomel" by Nalel, $HgO_2, 2NO_5$,
hot NO_5 in excess on HgI). HgO_2, NO_5 , got
crystals.) from tor

$HgO_2/3 + 2NO_5$ rapid Evaporation of $HgO_2, 2NO_5$
from Concentrates $HgO_2, 2NO_5$ in H_2O . per-
manent, HgI_2 (Nitrous turpeth yellowish).

$HgO_2, 2SO_3$ to hot water yellow
(white).

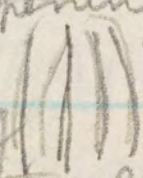
precipitate (Swedish mineral). Emetic
 $HgO_2, 2SO_3$, (boiling $SO_3 + Hg$).

Hydrazym Sulphas Flamm Wolff
($30HgO_2, 2SO_3$). Tests for Hg ,
($K_2SO_3 + HgO_2 = HgO, SO_3 + K_2O, SO_3$)

Copper gets amalgamated. (corr.
Sub. KI (~~red~~) red iodide.) K_4

(white precip.). Enbl (black precip.)
g. Hernia umbilical, umb. points,

females, fat, 3 coverings, (skin,
superf. fascia & perit. adhesive
strips, suture, hair-lips cut + or
artificial anus anal. fistula, in

Testes lie ^{opening} - Physick, seton
through dividing  walls, dissect
out septum after seton by effused
lymph has caused ~~sealing~~ union.

~~Enterostomy~~ punch up. Wound of intes-
tines. abdomen, 2 sutures, 1 through
muscles, 2, one through integuments.
metallic suture, (weeks).

sponge, do not rub. In wounds of in-
tipping, Testes, gas will escape

or ~~some~~ means &c. faint &c, air
into cavity of peritoneum, resonant
abdomen. Swollen, close fissure
in intestines. Ant. ligature, it
will go out by anus. General

Sensibility - post. root to

of spinal nerves, 5th, 6th & 7th glossopharyngeal & pneumogastric nerves, [B, Bi O₃, 3 ORO₅ in

H₂O gives Bi O₃, ORO₅ (Subnitrate of bismuth, & subcarbonate.)

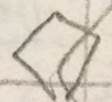
~~Antidote~~ Spain. (Hq.) [A]

anthelmintic, R_p, Ol. Terebinth. ʒij
Ol. Animalis qttij.

Followed by Cathartic. [Wallace. Lac-

tation. 3rd day. Milk fever. (nurse every two hours.) chills, headache, sweat, pulse full, flushed, breast may be swollen, lochia may stop (start them). Pulse should not be to 100 in this. Treat, Calomel & Dover's powder, Camphor, - warm water injection, warm sweet oil over engorged milk tubes, bleed, keep breast empty, chamomile flowers & dry bread crumbs flour for poultices. Do stop excessive secretion of milk.

Camphor Symp. opium, - laud, camphor on breast, belladonna ointment, grs XXX - Lx to ʒij. 16th of inch thick irregular duction. (puppy) nurse, husband, daughter, instruments. Claps between shoulders, Diet, hot coffee, but tea is good. 1st day ordinary diet, down stairs 18th day. Graduation in food. Irregular presentations position, head vertex to front direct,

forehead to front direct, 1st. vertex;
Child may be born, generally
changed into ordinary head position,
you will feel ant.  fontanelles
bring it around. Lectures. Dr.

Wm. Darrach. Feb. 14th. 1863.

Epidemic diseases. Indisposition,
endemic treated of, 1. Influenza, 2. Ex-
anthemata greater (Scarlatina, measles,
small pox, Erysip.) lesser (roseola
varicella, eczema &c.). 3.
Whooping-cough. 4. typhoid 5. Cholera,
in epidemics, do not bleed or
purge. In endemic, bleed and
purge. Epidemic general dis-
1. ^{capillary} primary Congestion. 2. Cong. ^{capillary} &c.
on cutan. surface, 3. Serum + fibrin
(pus). (tertiary congestion). Phlegmasia
may be purged ~~do not cut~~, but apply
eye meal, it will pass away. Do
not poultice. Epidemic abscess. In-
flammatory abscess has softening of binding
tissue. Epidemic abscess has not,
1. Serum & no lesion. 2. no lesion.
3. no lesion. More pus in fever
than in surgical wards. Contagion.
Plague, yellow fever, typhus, ant-
side of body con-

Precipitant Hg by Wollaston, Palladium Pd, 53, 11.86.
Iridium Ir-99-

Osmium Os-100, Ruthenium Ru-52
Fennant,

8.6 - Claus (1845), Nickel Ni-30-9

Cobalt, Uranium, Cerium, Lanthanum
Didymium

Point of middle finger $\frac{1}{3}$ of line.

Palmar surfaces of 3rd finger $\frac{1}{2}$
Lower part of forehead 10

Middle of arm 30

G. (Feb. 6th 1863), ~~Wollaston~~

Temperature high (80°) after trial

Cheotomy. Knife back towards

sternum, gauge over opening.

Double tube. Diseases of the

air passages. Inject $3\frac{1}{3}$ - $\frac{1}{2}$ La-

ryngotomy. Plugging of nostrils.

Stay in for 48 hrs. not longer.

Diseases of urinary organs. Stone

in the bladder. Lithotomy.

3 IV in bladder. empty, stone

1 y in above anus. + end 14 in

below anus. 3 stages. B.

Antimony (Stibium) Sb-129. Sp. grohi

6. 7. Fusing Sb under a red heat. (1).
 SbO_3 - Antimonii Oxidum Ed. Dub. (2).
 Sulphuretted (a). Common Sulphuret (b).
 Prepared Sb . (c) precipitated Sb . (3).
 as oxy sulphuret (a) glass of antimony.
 (b) Brocas of antimony. (4). Oxidized
 and mixed with 3 CaO , PO . - antimonial
 powder. (5). Combined with Sb . - Antimonii
 Tschoudi liquor, Dub. (6). SbO_3 combined
 with SbS_3 - oxychloride of antimony
 (powder of Algaroth). (7). Subsulphate
 8. SbO_3 with tartaric acid and potassa.
 Tartar emetic. Sb with 0, SbO_3 , SbO_4 , SbO_5
 Sb with S , SbS_3 - SbS_4 - SbS_5 . Kermes Mineral
 $\text{SbS}_3 + 2$ Solder Sulphur $\text{SbS}_3 + \text{SbS}_3 + \text{S}^2$
 Antimonii Sulphuretum. Precipitatum. $\text{SbO}_3 + \text{S}^2$
 acidifiable metals. More bases than SbO_3 make
 acid - metals. 1/2 acidifiable metals.
 as native, as oxide, and as sulphuretted
 oxide, (SbO_3 & SbS_3) and as Sulphuret.
 matrix (gangue). (+ Sulphuret of lead).
 powder & Sulphuret put in flower pot,
 and in crucible, low red heat, metal runs
 out having melted, this is SbS_3 (leaf of oxide
 SbS_3 roasted and some S is) { I charred gives b.
 now SbO_3 goes in and is { b takes 0 and Kb and
 + Sulphuret (SbO_3) { (Sb) is left, bluish
 white, Crystal leaves foliated texture, brilliant,

(Regulus of antimony) Sb 129, probably
120. Prepared ~~SbS₃~~ powdered SbS₃. -
oxy-sulphuret is SbS₃ + SbS₂ SbS₃

basic, and only medicinal oxide. SbO₄ +
H₂O acids. SbO₃. SbS₃ + 3HCl =
SbCl₃ + 3H₂S. in water throws down powder
of Alagaroth. SbO₃ + SbCl₃ + 3(NaO, CO₂) =
3NaCl + SbO₃ + SbO₃ + CO₂. SbO₃

melt Sb in crucible & you will get SbO₃.
(argentine flowers of antimony). melted
Sb shoots off in globules. ~~SbO₄~~ SbO₄,
SbS₃ + H₂O₂ + heat gives SbO₄, white,
SbO₅ (SbS₃ + H₂O₂ + low heat (400°),

only drives off H₂O not O, from
SbO₅ (= SbO₄). SbO₅ = SbO₄ + O.
SbS₃ parent of all (not heat) the preparations.

(veterinary practice). Kermes. (1) by
alkali, (2) carb alkali (3) melting
up with acid alkali. SbS₃ + boiling

aqueous solution of KO, H₂O strain &
filter and dropes some SbS₃ when
cools, (reddish brown). Kermes liquor

above. SbO₃ in that from Carbonates alkali,
(Na₂CO₃). oxy-sulphuret of antimony &
In acid liquid Kermes liquor gives golden

Sulphur. Ant: Sulph: Precip: union,
(803).
Filtered solution in acid liquor gives golden
(cooling) sulphur and Kermes Minera.

+
Wallace. In front position, press back, or
on sides. Presentations of brow, 1. with face
looking backward (when head is extended
beyond face presentation. anterior fontanelle
can be felt through membranes. Sudden
drop of brow; finger under frontal bones.
Cold. Vertex comes then to ant vertex (anterior)
vertex presentation. Face presentations.
(in 200 or 300.) Primary or Secondary.
(deviation from vertex.) 1. Face. 1. towards
left, 2. toward right. Mechanisms. Head
all right, not so rest. Extreme Extension.
rotation. 3. flexion. 4. restitution
how first born, forceps may be
necessary. Chin not brow must
come under arch. (Not into

hollow of Sacrum). 1. Tongue.
Glosso-pharyngeal, special sense.
Hypoglossal, motions. 5th. pair.
General sense - flavor. [M. Antisthes

Opium, Sulph: quin: tint: digit:
coffee tea. C. V. Parava Brava, Pepsin,
Sulph: P acts on venereal organs.

Wallace. Force presentations. Some say
better & deliver, better put forceps
on head when down. oblique presen-
tation of head (Ear down). bad.
rectis, not forceps. Keep rectis off
mother. Breech presentations.
May be normal. 1. front gen.
2. spine front gen. 2. back,
3. diagonally. Mechanisms, pains
less violent. (b. elastic) br. feel
for vulva or perineum to make
sure. transverse 1. descent.
2. rotation. (help). hips. then
shoulder, bring arms down, for
they are up. (in front of head) take
hand nearest mother first.
wind up on woman's abdomen.
Open hand to mouth. Child turns
pink. Keep forceps by you. do not
stop. 2. back of head under arch
as before, modifications, feet &
b. knee. Do not let child
into mother's. 3. In lateral operation
you divide prostate gland downwards
& outwards. bed, oiled cloth & above
a folded sheet. no tube to cut.
Urine comes out for 15 days

perhaps, folded sheet should be often removed - artery of the bulb sometimes bleeds. Gross' Compressing forceps. ~~Blakely's instrument~~. Lithotripsy Contr. indicated in disease of parts. Lateral at best of all, Dr. S. says. = Silver catheter.

B. Sulphuret of antimony
 Sb_2S_3 - Source of all the antimonials prep.
Class of antimony }
Brocus of antimony } Both oxy-sulphurets { 1 part Sb_2S_3 - 8 parts Sb_2O_3
Antimonial powder, Sb with Cl - $SbCl_3$ - $SbCl_4$ - $SbCl_5$
Powder of Algaroth - 2 Sb_2O_3 , $SbCl_3$ + H_2O - 3 $SbCl_3$
and 6 H_2O = 2 Sb_2O_3 , $SbCl_3$ and 6 H_2O . Subsulphate.

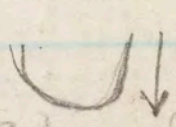
Sb_2S_3 Antimonii Sulphuretum U.S. Analytic
Chemist gets ratio not real quantity &
equivalents. - But Sulph' Precip is Kermes
+ golden sulphur. - Glass. Sb_2S_3
powdered & roasted, high heat long continued.
lost of S has gone, Result, grayish powder,
antimony ash. Crucible melts, and cools
into glass, (pounded out on brass plate.).
forms cake. This fused makes glass (liver-
brown if pure, if bad dark steel gray).
very cold by transmitted light (some). (05
dica, 03 opitilized iron). Lilla helps glass
formation. Lodey uses glass for tartar emetic.
hard to powder. Brocus, Sb_2S_3 and K_2O , VO_5

heat, & thrown on ^{hot} iron plate, Combustion,
 deflagration, Residue washed with
 water (forms Crocus.) powder, fuse
 this. All PbO has gone, most of
 SbS_3 . ($\text{SbO}_3 + \text{Sb}_2\text{S}_3$ from O of K_2O ,
 $= \text{K}_2\text{O}, \text{SO}_3, \text{SbO}_3, \text{SbS}_3, \text{K}_2\text{O}, \text{K}_2\text{S}$
 $\frac{1}{2}$ lb. of wt. of HCl is added. = KCl)
 & KCl washed = $\text{Sb}_2\text{S}_3 + \text{SbS}_3$
 (Crocus). Saffron brown, Once used by Lond.
 fused Crocus hard to powder, liver brown,
 not steel gray. (not enough $\text{K}_2\text{O}, \text{PbO}$).
 Pulvis Antimonialis, (Pulvis Antimon.
 Comp.) ^{Imitation of} Pulvis Jacobi Verus.
 SbS_3 & hart's horn shavings, in red
 hot crucible, SbS_3 roasted, and $\text{Sb}_2\text{O}_3, \text{PbO}$
 (animal matter burned away). Gums products
 powder at white heat, and ground. Then is
 Pulvis Antimon. (Exhausted Sb & $\text{Sb}_2\text{O}_3, \text{PbO}$). Sb_2O_3
 and SbO_3 cannot SbO_4 (?) stand heat SbO_4
 thrown out in H_2SO_4 . $\text{SbS}_3, \text{Sb}_2\text{O}_3$ & HCl =
 SbS_3 and Sb_2S_3 . White "butter", in H_2O
 at certain point precipitates. In when in
 excess of water gives powder of Algaroth.
 (for tart. Emet.) - SbS_3 and boiling
 in H_2O . SbO_3 is subsulphate,
 (SbO_3). For tart. Emetic. ~~new~~

U. S. P. Wallace. When breech comes
down, do not pull legs down. You en-
danger child. Leave limbs bent up
if you can, pull down loops of cord.
Bring child down well after breech
has come. Lay child on right side,
head right side higher, (asphyxiated).
Prolonged labors. I. Uterine inertia. Causes,
distended perineum, ruptured membranes.
These act as stimuli. Tell her to
get up, start things anew. Woman
tired out, brandy & water, Ergot,
in coffee. powder grs. ^{xxx} fluid ext.
fzj = grs. xxx of pulv. ^{use when} 1. os dilat. &
nearly dilated. 2. perfect pelvis. 2. Child
not unusual in size, when no mechani-
cal obstacle. Use it in abortion hemorrhage
in placental detachment. ⁱⁿ hemorrhage.
not in Cerebral Congestion. Acts from 10-
20 mto. powder slowest. Beware of Ergot
in first labor. May cause convulsions. II.
Deformed pelvis, Caes. section, forceps, Crani-
otomy. f & c in inf. strait C. S.
w dup. et. A. Impression on nerves
of hearing 1st & 2nd interval of less
intensity 16 sounds. - Abies bals-
amea. J. H. Puncturing the bladder.

Foreign bodies, Excisions of the joints.

Knee & hip excluded. Except pathologi-
cally, avoid the medullary canal
if possible. do not use tourni-
quet, avoid large nerves. At hip
& knee treat for ankylosis.

At Elbow, aim for motion.  flap.
at elbow. Tin or wire case, arm
extended at first, gradually flex.

Patholog. success } gunshot. B.

Arsenicum U.S. As. 75 - 5.8 - Brandt,
1733. Fe As , Fe S_2 . - As with O, Acidum

Arseniosum U.S. As O_3 - - - As O_5 .
2 Fe_2O_3 and $\text{As}_2\text{O}_3 = 4\text{FeO}$, As O_5 . - As with S.

Realgar, As S_2 . - Orpiment As S_3 . - As O_5 . As
with Cl. - As Cl₃. As with I. Arsenici

Iodidum U.S. As I_3 . - Liquor Arsenici et
Hydrargyri Iodidi, U.S. Donovan's solution.

Arsenic as native, Sulphuret, native oxide,
native, and as arseniuretted iron ore.
(arsenical pyrites). - from Cobalt Smelt.

As in Chimneys (fly-stone) Com-
mercial, sublimed, gives pure

As. - alliaceous odor. As O_3 sp. gr. 3.7
"White arsenic." 66 pts, cold, 12 pts,
boiling water. - boil & then cool beat
cold solution, fuses 380° . lower temp.
rises. Tests, ammonio-sulphide of CuO.
Scheele's green. arsenite of lead.

murine sulphate nitrate of silver, yellow, arsenite of silver,
(arsenite of ammonia + sulph. luo. acid nitrate of silver)
As₂O₃ - (orpiment, yellow.) From H₂S,
Salts, Liquor Potasse Arsenitis U.S. - Fowler's Solution

Marsh's test - Arseniuretted H₂ - porcelain
late, Reinsch, liquid acidulated with
HCl, add copper foil, arsenic (metal) will
settle on copper (silvery look.) chip it, glass
tube, heat, white ring, (As₂O₃) adamantine
lustre, small crystals, now test for As.
intisote, hydrated oxide of iron, (4 FeO, AsO₅,
insoluble.) - AsO₅ - add HNO₃ to As. or As₂O₃.
makes AsO₅. poisonous. brick red arsenate
of silver. Liquor Arsenici Chloridi Lond,
(AsCl₃). As₂O₃, 37 As to go 1 kg
(gr XXXX As₂O₃ + Hg₂Cl₂ in 0 lb 10. - Hy
each 3

64 gro. AsO₃ & K₂CO₃ 64 gro. in
H₂O 32 xij. Comp. 5 pts. lavender
3 fs. increase to 01. (Fowler's Solution)
Chromium br 26-6. Vauquelin 1797
Chromic iron is Cr₂O₃, FeO, br with
- Cr₂O₃ - chromic acid CrO₃. Salts,
Co, CrO₃ and KO, 2 CrO₃ - PbO, CrO₃.
KO 2 CrO₃ and 4 SO₃ = Cr₂O₃, 3 SO₃ + KO
SO₃ and 3 CrO₃ (Al₂O₃, 3 SO₃ + KO, SO₃) common
near Baltimore. Cr₂O₃ dark green -

BrO_3 . $\text{K}_2\text{O}, 2\text{BrO}_3$ add SO_3 gives
it (dark red). - "brown oxide".

(none properly). - $\text{K}_2\text{O}, \text{K}_2\text{O}_5$ + chrome

brown = Fe_2O_3 and $\text{K}_2\text{O}, \text{BrO}_3$ (yellow). In

water $\text{K}_2\text{O}, \text{BrO}_3$ test, (Ag) dark red, (Hg)

light red. - $\text{K}_2\text{O}, 2\text{BrO}_3, 2(\text{K}_2\text{O}, \text{BrO}_3) + \text{SO}_3 =$

$\text{K}_2\text{O}, 2\text{BrO}_3 + \text{K}_2\text{SO}_3$. orange red, - PbO, BrO_3

(yellow). Chrome yellow. Subchromate
of lead (red). - chrome alum, alum

isomorphous, M. Deodoriger.

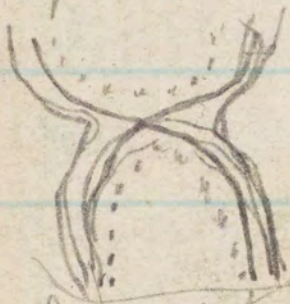
Coal tar, (4. 3 images.

Line sulphur) 1. cornea, upright,
2. post. Concave

Surface cryst. lens. inverted,

3. ant. Surface cryst. lens, upris

Image on retina is inverted. $\frac{1}{4}$
of the nerves.



3. $\text{H}_2\text{O} + \text{Pt} =$

heat this, highest heat for

Pt , sponge Pt , double

chloride of H_2O & Pt .

heat this. Nitromuriatic
acid soln

Solvents a Platinum metals 5
that follow, Sn & Cl in good
solution makes purple of Cassius,
Douglas. In lumbago.

Abbr. R. Olei Terbinthinae qtt x
Wallace, head impacted in pelvis. Some say
twice & deliver, better theory than practice.
Vectis, or forceps, or Craniotomy, do not
hurt the child. Pull 7 pounds some say.
Rigidity of os, gen. greatest in 1st labor.
Wait, bleed her if in good health and
danger of lacerating uterus & hurting
child. bleed for effect. - look to uterus
after birth. Laudanum injection, 75 or
80 drops. warm water injections, nauseants,
[best. Emul. gr. 1/16 Ext. Belladonnae, (2).
Full laxative dose of Castor oil, (Keating), never
int. Hard perineum. Warm fomentations,
injections (vagina & rectum), Card v. at
her part (not anæsthesia). Rupture of perineum:
wash well, hard, let her lie on side. Do not sew
up (guilled suture). oblique uterus, ant. lip
of os, ~~hiding over head~~ hiding over head.
Distended bladder. See tot amount
passed of urine.

Sensory nerves. A. ammonia on 5th pair

Pneumogastric A. No olfactory nerves
Gloss-pharyngeal. } in sinuses of
5th. pair. } maxillary bones.

Post. roots spinal nerves. } Lymph of
(Endolymph.). } Pulmonary artery. Penlymph.

Stomach. Dorsal right, ~~the~~ liquor botan.

glyco- substance (amylase) that

forms sugar in liver. PO in

wine as acid generally. pepsin

may be a desquamation of lining

membrane of stomach, glands of

Peyer lymphatic system. B.

Vegetable matter C, H, O, - Animal matter

N, C, H, O. 1. When H & O present

O in excess - Acids. 2. When N, C & H

together, with or without O - Organic alkalies,

3. When O & H in the ratio to form

H₂O. - Neutral substances. 4. When

C & H both in excess, Al ^{etc} Eth. oil, resins.

5. Certain groups have a compound radical

6. Certain organic substances represented

7. Other organic substances, added together,

8. Certain groups are derived from a

model compound - Bz (C₆H₅) - BzH -
BzO - Bz ley - BzNH₂ - ~~Adipic acid~~

Acetone, $63 H_2O$ and $CO_2 = 64 H_2O_3$. $64 H_2 Cl_2$ —
 $64 H_3 Cl_2 Cl_2 = 64 (H_2 Cl_2) Cl_2 = 64 (HCl_3) Cl_2$
 $64 (Cl_4) Cl_2 = 64 Cl_6$ — Nester — Neutral

Benzyle (B3). — oil of bitter almonds
 Benzoic acid — Cyan. of benz. — benzanide.
 $64 H_2 Cl_2$ Dutch liquid. (Dutch Chemists)

4. coloring Substances not treated of.
 Chemistry of organized bodies — vegetable and
 animal, — not divide it, they interlock.
 elements! ultimate constituents, proximate
 fat has no N. albumen & brain fr.

Acids 1. C + O only, 2. $C_2 H_2 O$, 3. $OC_2 H_2 O$
 4. Mineral acid + org. substance, 5. of
 uncertain nature. — 1. C + O. —
 Oxalic, Mallic, Croconic, — Oxalic

in nature, NO_5 on starch or sugar, solid
 crystal 4 sided prisms, acid taste, SO_5 takes
 H_2O from it, and gives CO . — poison, —
 antidote, Chalk. 2 H_2O in crystal, H_2O
 fused, — salt, mono. bin. quad.
 with KO in ship, (bin. + quad.) — $NH_4 O$

CaO , (insoluble), (mulberry calculus). $6_2 O_3$
 (oxalic acid $CO + CO_2$). 2. $C + H + O$ 2. 1. fatty,
 2. 2. fatty acids, 2. 1. numerous (hundreds). Acetic
 vinegar, fermentation, sp. gr. 1.009. Acetum U.S.
 Gallicum, Britannicum, Acet. Distillation
 U.S. 1.007, 1.009, 1.000

acetate of lead + SO_3 give T. or acetate of
soda, Acidum Aceticum U.S. Sp. gr.

1.063. Vapor takes fire, crystal at 40° .
glacial. Acid Diluted, Pyrrhigneous, Saturated
with lead (lead, A.) decomposes $\text{NaO}, \text{SO}_3 =$
lead, SO_3 & NaO, A . $\text{NaO}, \text{A} + \text{SO}_3 =$
A & NaO, SO_3 . 7 H₂O to A gives

Vinegar, Acid: Acet: Sib: Potassio Acetas,

(strength) U.S. KO, SO_3 & lead, A. deli-
quesces. NaO, A not deliques. Lignor

Ammon: Acet, U.S. - Acetone dectrac.

distil: of lead, A. Pyrr-acetic spirit

Plumbi Acet: U.S. Goulard's Ext: & 3

f 3 of lead water, Acet: Lync.

U.S. Acet: Copper - mono - sub -

(verdigris) from France, Acet: mercury.

Formic + Lactic. Formic (anto).

liquid, not crystal: formates, $(\text{C}_2 \text{H})\text{O}_3$. $\text{C}_2 \text{H}$

Formyls. $(\text{C}_2 \text{H}) \text{Cl}_3$ Chloroform, Lactic

in flesh, and in animal liquids, and Lymph

Lactate of FeO. $\text{C}_6 \text{H}_6 \text{O} + \text{HO}$.

101 Carb. ppt. 75 T. (M.). For effluvia

draught. 4. Eye, internal judged

1/6 second. 1/2. Expectation of shoulder

Joint. One cut long, 4 1/2 - 6 inches
over deltoid. Most favorable to canes

Bache's Classification of Organic Substances,
 1863.
 Feb. 12th, 1863.
Classes. Sections.

- | | | |
|-------------------------|---------------------------------|--|
| I. Organic acids | 1. Carbo-oxygen acids. | Subsections.
1. Nonfatty acids.
2. Fatty acids.
3. Containing cyanogen.
4. Devoid of cyanogen. |
| | 2. Carbo-hydro-oxygen Acids. | |
| | 3. Nitrogenous Acids. | |
| | 4. Inorganic-organic. | |
| | 5. Doubtful acids. | |
| II. Organic bases. | 1. Natl. organic bases. | |
| | 2. Artl. organic bases. | |
| | 3. Carbo-hydrogen neuter S. | |
| | 4. Carbo-hydro-oxygen N. S. | |
| III. Neuter substances. | 5. Nitrogenous N. S. | |
| | 6. Doubtful N. S. | |
| | 7. Carbon & water. | |
| | 8. Carbon water and a little H. | |
| | 9. Carbon, water and much H. | |

IV. Colouring Substances.

Amputations, Circular,
 and flap, ~~and~~ a flap
 best - arm - leaves ar-
 ticulating Cartilages, if
 possible.

- Groups:
1. Alcohols & Ethers.
 2. Fatty substances.
 3. Oxygenous volatile oils.
 4. Resins.

B. KO, I + Ca Cl =
 Ca O, I and K Cl. I + 4 H₂ O = Potash

Acids Bitartaric U.S. $KO, 2T$ Potass

Opalic C_2O_3 Tartaric U.S. KO, T Sodae

Acetic $C_4H_3O_3 (+HO)$ Potass Tartaric U.S.

Formic C_2HO_3 KO, T ~~Tartaric~~ $KaO, T + 8HO$.

Lactic $C_6H_5O_5 (HO)$ ~~Sodae~~ et Potassae Tartaric

U.S. Fe_2O_3, T ~~Tartaric~~ KO, T / SO_3, T and

KO, T ~~and~~ $2HO$. T (C.H.O. acids). crude

Tartar not soluble in alcohol: precip

argol. $KO, 2T$ and $CaO = KO, T$ and CaO, T .

$CaO, T + SO_3 = T$ and CaO, SO_3 . T white,

solid, but gen. in powder. Acid: Tartar: U.S.

$KO, CO_2 + KO, 2T = KO, T + KO, T$ and CO_2, KO, T

"Soluble tartar". $KO, 2T$ and $NaO, CO_2 = NaO, T$ and

and KO, T and CO_2 . (Rochelle salt 6 sided prisms

found on plates, beautiful dark salt. Crystals

$KO, 2T$ 1. pure SO_3 , 2. oxychloride. 3. Crocus. 4. glass. 5. iron

subsulphate, boil 1 - 1 - 4 HO. soluble in 15 pts. in

col, 3 pts. boiling water. $KO, 2T, SO_3$ (Tartar Emetic). $\frac{1}{20}$ gr. abt

$\frac{1}{8}$ gr. sudorific, 2 or 3 grs. emetic. Vinum Antimonii. 2 gr

to 3 f3 Sherry wine. T has a paratartronic acid

(isomeric) (Racemic acid). - bitartronic acid, up

citrate of lime + SO_3 . Acid: bit 1 U.S. Potass

bitras. U.S. Ammon. bit; Lond. Magn

bit 1, U.S. bitrate Iron, dark K. bit ammon

potassa and Sulphuric acid, Valerian,
gins., — iron (Fe_2O_3). Tannic acid, nut
galls & ether & H_2O ($\frac{1}{10}$ vol.). percolation.
U. S. Tinct: nut galls. precip: gelatin.
Gallic acid, warm place for tannic
acid & water. O absorbed (gallic). Meconic
sulph: iron gives red color. Mucic acid
($\text{Fe}_2\text{O}_3, 3\text{SO}_3$). (H_2O on sugar of milk.)
Amber, Succinate of amm. (Camphor)
Camphor, Benzoin, Benzoin U. S.

($\text{C}_{14}\text{H}_{10}\text{O}_2$) + O, } Wallace
(Benzoyl) } retarding with 1. Proetus
tough, and protruding. 2. reduce size or firm-
ness of fetal head. hydrophalic head. Search well
may be gangrene from pressure on mother's parts.
tattoo photo umbil. cord, (tie & cut.) large ab-
domen, tap & pull. dead child (lym part)
in breech (lardy) labor, do not use ergot
but frictions, &c, draw by a point (finger or one blade)
& forceps) or fillet, like deformed pelvis
Caesarean section, if breech will not engage
up: it: Transverse presentations, (shoulder
seen: all). 2 of each shoulder, 1. left
nearly forwards. 2. left face backwards
for right shoulder 1. right face backwards
face forwards, do not cut ~~abdomen~~ off.

spontaneous Evolution, ^{needs a little child}
spontaneous versions, ^{do not rupture membranes,}

Δ, 3rd, pr. Cont. ^{Tris}; Symp: dil. it.

Pancoast, Feb, 14th, 1862. Singular
cystic tumor in man (abdominal)

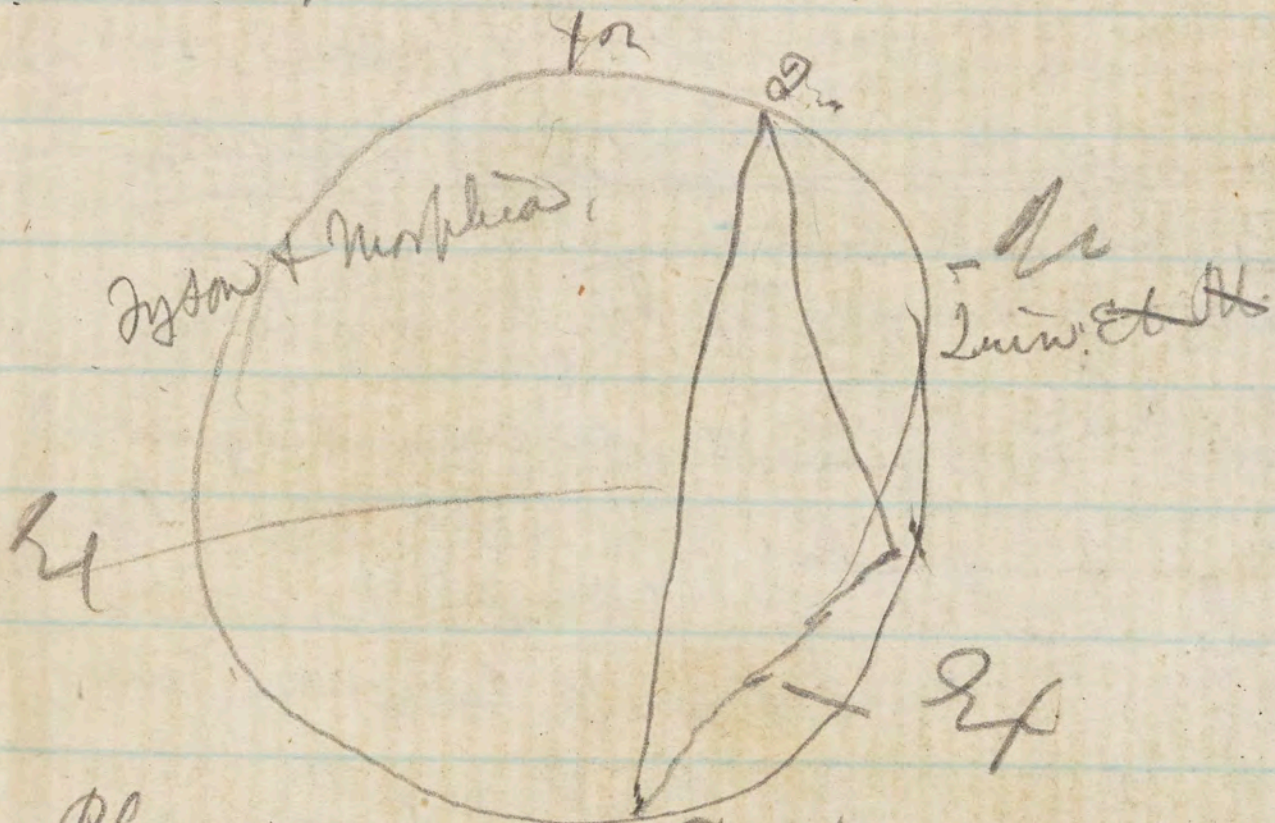
Perman. potasso. in diabetes.

(M.) Wallace, ^{shoulder} Draw down, some say pull
head or breech down, hard to do. Keep
we turn & deliver, when try it? If
open or ^{rupture} membranes, your
arm keeps ^{flind} in, - woman on
back or side. Coat off, turn with
hand ^{for} arm presenting, woman
left, left, on left side, use left
right, right, arm on back, either
hands laid, keep ^{flind} in, one leg
is enough, left arm more common
than right arm. Ether Chloroform.
Dr. Wm. Durack, Feb, 14th, 1863.

Influenza. Confluence, Conflux,
Girard died of it. Word Spanish malignant
stars, a real epidemic, ^{epidemic}
influenza, multiform. I Congestion of Schn.
membranes & frontal sinuses, con-
tracted & frequent pulse,

conjunction, may demand
 blood-letting. ~~Let it be~~
 typhoid? ~~Let it be~~

Am. 84 Pm. 96 3rd wk. Diet washings, Rye
 Every 3 day 84 pulses, phots & vinegar out
 side 4 crises 14, 21, 24, days.
 Yellow oxide of antimony, Dyson's, no
 calomel, fœtidaceous fluid, bowels
 at rest Sulph: Magn: congections in
 first week, Dyson continued, at night
 Dyson gr $\frac{1}{4}$. Quina and Morphia.
 Morphia gr $\frac{1}{8}$



Pharynx congested. Deglutition impaired May
 spurious quincy, not bloodletting, Zinc
 & Ipecac (action effusion). Rye gr. 10 ad
 fœtidaceous fluid ad. Stomach / Dr. not
 Stomach. Pyrosis, Gastric headache
 gastric depression, - Exhaustion, - Small

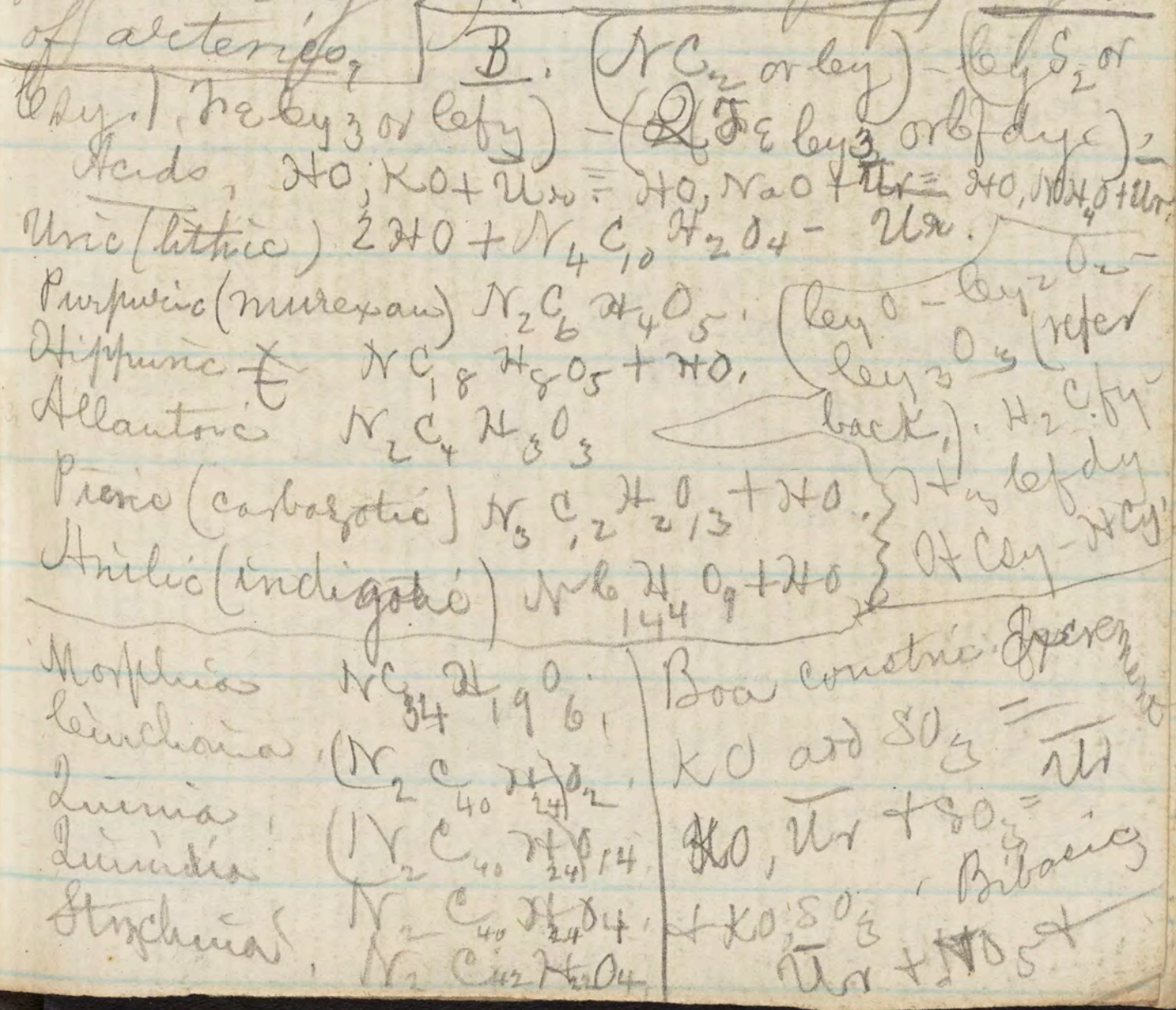
quantity of farinaceous fluid, may vomica,
gr. $\frac{1}{8}$. Ther. after meal dinner - liver not
disturbed, 4, Duodenum, Liver affected,
Jaundice, - Blue pill, 4 weeks, -
leech may do good, 5. Jejunum, Intestinal
mucus from this, valvulae conniventes,
Capillary Congestion, influences liver, serum
from Ileum, (rice water) Mucous Ileum. -
blueness, collapse, death (Cholera),
liver affected, Cramps, - Catarrh -
green discharge wanted, otherwise a
fever, Stomach, typhoid fever. (capillary
Congestion of Ileum), serum & feculi; -
Jejunum Disease with Cap. Cong: of Jejunum

Vicia, slime in large intestine
naturally, so at Top, Dysentery, Terminal
Bronchitis, bladder, uterus &c.

9. Amputations, Feb. 15th, 1863. Toe,
(oval method). big toe take off a
little of the metatarsal bone. Retraich
flap (below knee) operation. At knee
one open, removes patella, other leaves
it.

Wallace. Hemorrhage before birth of
child 1.1. accidental. 1.2. Unavoidable. 1.1. Maternal
(placental detached) be no external show.
somewhat, uterus when filled is not expansible





If not fully open, and bleeding womb, rupture membranes, little ergot, If blood turn & deliver or better forceps on head, Baudelocque body, thread uterus, I. E. placenta proevis. 8 1/2 with some bleeding, pass by, do not examine her, keep her horizontal, opium every day, ^{great bleeding} now examine when pains have come, - treatment, tampon, nothing else, contrary directly to Dr. C. D. Meigs, sponge. Blood cannot direct placenta off. Be frequent. G. After treatment of hemorrhages. (Reasons given for disputations). Hemorrhage, Ligature of arteries.

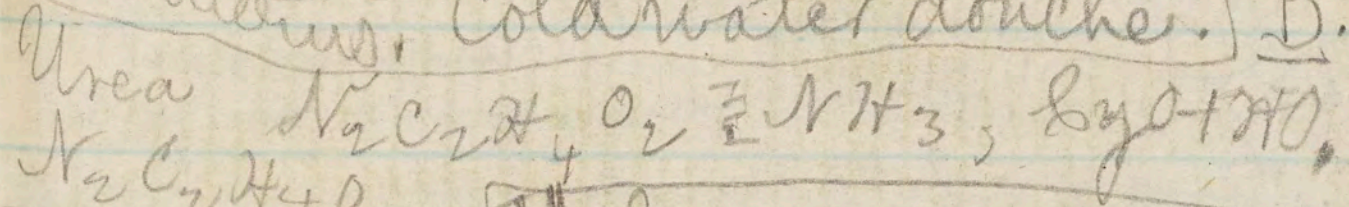


NH₄O beautiful color purpurate of ammonia
acid water written down. In France we
find ur. of am. Liebig says Muscain
beautiful crystals of purp. acid. Hippuric
acid in man when benzoic acid taken,
allantonic purp. acid + PbO₂ give it (from
Calf fetus). Picric (NO₅ on silk coal
tar Creasote), used as antiperiodic, yellow
skin, Aniline (NO₅ on indigo white,
yellowish.) IV. Sulphovinic acid. Sol in
alcohol in making ether Sulphates
of ether + sulphate of water. II. List,
alkaloids white & colorless heavier
than water, ^{from} ~~not in~~ ^{decolor} red,
green, crystal. solids, heated melt,
give off ammon. products soluble
in alcohol ^{not in} ^{Sto.} NO₅ decomposes
them, so hot SO₃. gemiform, aqueous
solution, add lead or magn. in excess,
alcohol dissolves out alkaloids & leaves rest,
drive off alcohol. Morphia, M.S. uses
NH₄O as precipitant. Sulph. ^{monat.} acet.
Test, Pale ³ gives blue color. - Cocaine
bark. Coarsen ^{distill} Quinine Sulphat.
M.S. Stychnos, NO₂ ² only violet color.

Aucia gr. Hyochius gr. 1/12 Veratrina
 Atropia, mouse odor in Epticoni:

4. Inbular Tenuis nerves & muscles
~~of the~~ Sulpho-Cyanide of K destroys mus-
 cular irritability. Arrow poisoning of S. A.
 thons removes ~~motor~~ power. ~~Colpenter~~
~~Wallace~~ Wallace Sampson Go

after Child when mother has had a
 re-action. Grasp ~~turn~~ & deliver ^{may}
 no time for forceps. tenesmic pains ^{if}
 come on, before this, Ergot should be
 given, atony of the uterus, deliver
Placenta & make it det. "hog's back
uterus", work on surface. hour-glass
contractions, apt to nip this up with
 cont. os. Placenta is gen. in upper
 part as adherent.  go in for plac.
 as this,  Do not  leave placenta.
 Post part  hemorrhage. Internal, down
 with uterus. Cold water douche. B.



Methylene	$C_2 H_2$	
Ethylen	$C_4 H_4$	oil of wine
Propylen	$C_6 H_6$	light
Butylen	$C_8 H_8$	Concrete.

Amylene, $C_{10}H_{10}$
He He (gap) -

Myrcylene, $C_{60}H_{60}$

Paraffin (from wood tar) C_nH_n

Eupione (from oil of wood tar) C_nH_n

Naptha C_nH_n

Leaoutchone, C_nH_n ?

~~Urea how got III~~ C_1H_5 hydrogens not in equivalent

Marsh gas series (marsh gas C_2H_4) C_nH_{n+2}

Benzole $C_{12}H_6$

Napthalene $C_{20}H_8$

Paranapthalene $C_{30}H_{12}$ } polymers,

Non-oxygenous vol. Oils (Zylo, oil of turpentine
Camphene) C_5H_4 or multiple

Oil of camphor (bornein) $C_{20}H_{16}$

Artificial Camphor $C_{20}H_{16}HCl$

oil of juniper, of lemon, of orange peel
of orange flower, of Copaliba cubeb } C_5H_4
oil of amber, artificial musk.

Urea, how got? Chemical
form. Hydrated Cyanate of ammonia

heavy oil of wine
double sulphate of ether & ethylene
(etheral oil N.S.)

etherole (light oil of wine)
light oil standing deposits

creta (isomene) - Naphtha from India
resins, - India rubber, gutta serena, etc.
relating, Benzoic acid & quick lime
no benzole. Naphthalin from Coal tar naphtha,
if of lemon breaks up into two substances

pure oil of turpene, & ~~It~~ makes
artificial Camphor. ~~III~~ ~~IV~~ ~~O~~

Starch, gum, Sugar. Starch Amylum
U.S., Sago, tapioca, arrowroot, ~~Starch~~ ~~Starch~~

~~Starch~~, Starch & SO_2 d. ~~Starch~~ ~~Starch~~
& grape sugar, Acacia & H_2O give

Mucic acid (no on milk), Troscacanth

Liquor, ~~Paper~~ & SO_2 parchment paper
no on ~~Cottone~~ gum cotton, Collodion

Sugar, glucose, rhombic prisms, Sac-

charum Lactis, ~~III~~ ~~IV~~ ~~O~~
mannite (little ~~It~~ excess.)

(Manna + alcohol.) Glycerine $\text{C}_3\text{H}_8\text{O}_6$

Salicin, ~~Starch~~ ~~Starch~~ ~~Starch~~

of language. 4. Muscles

Relax. Fighten. approx.

~~Crico-thyroid~~ Crico-thyroid Anterior

Thyro-arytenoid Crico-arytenoid Nerves

Superior laryngeal (to Crico-thyroid muscle) afferent

Efferent inferior conjugal, (from
spinal accessory filaments, perhaps)

Diseases of bladder and of
the prostate gland. Purgs in
 Chronic Cystitis; not in acute cysti-
 titis. Soda bicarb. or Potass. bicarb;
 obtund (mucosa) sensibility, Inject
 Solutions. Anodynes.

Isosquiro: Carbohydrogens.

B. III. 2. (3).

Positive Radicals.

Aldehydes.

$C_n H_{n+1}$

$C_n H_{n+1} O, H$

Methyleen $C_2 H_2$
 Ethyleen $C_4 H_4$
 Propyleen $C_6 H_6$
 Butyleen $C_8 H_8$
 Amyleen $C_{10} H_{10}$

Methyl (Me) $C_2 H_3$
 Ethyl (Et) $C_4 H_5$
 Propyl (Pr) $C_6 H_7$
 Butyl (Bu) $C_8 H_9$
 Amyl (Ayl) $C_{10} H_{11}$

Methylic alcohol
 Ethylic alcohol
 Propylic alcohol
 Butylic alcohol
 Amylic alcohol

$C_2 H_3 O + H_2 O$ or $Me_2 O$
 $C_4 H_5 O + H_2 O$ or $Et_2 O$
 $C_6 H_7 O + H_2 O$ or $Pr_2 O$
 $C_8 H_9 O + H_2 O$ or $Bu_2 O$
 $C_{10} H_{11} O + H_2 O$ or $Ayl_2 O$

Ethyl Ethylen prin-
 ciple. Methylic
 alcohol wood
 alcohol, pyroxylic
 spirit. pure (Color

less, hot taste, arom. pung. taste, s.g. 798.
 used in arts to common alcohol makes
 Methylated alcohol, spirit, Ethylic alcohol,
 wine alcohol.

common alcohol, sugar ferments with yeast,

$$2 \text{H}_2\text{O} \xrightarrow{\text{yeast}} 4\text{CO}_2 + 2 (\text{A} \cdot \text{O}, \text{H}_2\text{O})$$

 (glucose, $\frac{1}{2}$ Rubrum.) U.S. rectified
 brandy (spirits of wine). Sp. gr. 813.
 (by distill.) (.08 H₂O). add something
 to take up an acid (K₂CO₃, CaCl₂,
 absolute alcohol.) Leodorized, 795.

vapor 1.6. -146° 798 became
 melted wax-like (J. K. M.). 835
U.S.P. (alcohol.). Spir Rect Br.
Alc. dil. ^{U.S.} 35% (.58 H₂O). Great
 solvents. (K₂O, H₂O, Na₂O, H₂O) not of carb. ^{fixed} alkal.
 fixed oils sparingly (exc. olive). alcohol.
 as hydrates so with alcohol. Propylic alcohol,
Propylamine, NH₂CH₂CH₃. Amylic alcohol,
 fusel oil, NH₂CH₂(C₄H₉)
 ord. alcohol, NH₂CH₂(C₅H₁₁)
 (Butylic + amylic), distilled gives amylic,
 sp. g. 818 vapor 1.315. Wallace Stimmer

late uterus by pinch of fingers Compress
 aorta, lower head, post part. hemor
 source of disorders, Prolapse of umbilical
 cord, undue length of cord, rush from
 waters, put forceps on if at all

possible, (Keep up cord before that.) hurry
up. Rupture of uterus or vagina.
violent uter. cont. turning, forceps,
tears obliquely postero-lateral
pain, pulse weak, blood cessa-
tion of pains. Child's head recedes.
examine abdomen, 2 tumors child
may go into perit. cav. Deliver child
if ~~vag.~~ per vias nat; or by cesar.
sections. bas. sec. better. Wallace.

Precipital Convulsions, Peculiar, apoplexy -
like, hysteroid, ~~el.~~ epileptoid. Causes,
albuminuria (2.) Compression of arterial
& venous trunks, Engorged upper trunks,
Congestion of small vessels, tight lacing,
deformed pelvis. Determining Cause at
time of greatest compression of pain. Rarely
in pregnancy, intense suffering, after
labor, during turning, pressure. In early
stages unfavorable, toward end of labor
favorable prognosis. Description, at end
piston like movement, livid, intelligence
or stupor, apart into 2 - hrs. Congest.
of vessels, blood effused in brain. Treat.
If congested before confinement, bleed.
lie down (helier's asth.), intellect waning,
ing, bleed, weight on head. If pulse
feeble to liberate (or may

o watery effusion). F XV-XXX. Use
recept. Scurdamm injection, gen. no
blood needed after labor, assaf. Ether
+ chloroform in pain intense, in
stupor, blister head, purpural
mania with passaway. Abscesses in
breasts, Confections (Cause), sore nipples,
fever with it, milk flows or may not,
Leech tender spot, F 3 v. foment.
breast, adhesive plaster to sustain
breast, (under arm). good in neuralgic
breast, treat abscess by compressing
walls of sinuses, leave aperture open,
(of nipple), adh. plaster.

G . Paralysis
of bladder, Retained urine, Scirrhus, (intense
agony). Prostate gland, U. r. Retention
of urine. (over disten: in palsy of
bladder good system: purgation). cold
HO into bladder, ^{in prostate gland} (catheter, pass
finger into rectum and guide it.).

H 24 bl. Incontinence of urine, (of
Retention, ^{in female}) B . Ethereal
of radicals, Methylic Ether from SO_3 & Methylic
alcohol, This is a gas, [v. g. g. Ether (Ethylic)
alcohol & SO_3 Equal weights, (trouble
of ether & water formed at first (sulpho-
vinic acid) heat gives ether.

Purified by KO. (removes
SO₂. Alcohol, U.S. Ether.

Washes (water takes
alcohol & not the Ether
which latter floats above.

Sp. gr. 720. pure
boils at 96° . vapor

2.58. ☐. Burns
into CO_2 & H_2O . Great
solvent, offic. S.G.

750. for the new
U.S.P. (as anesthetic).

Propyllic Ether, Butyllic
Ether. disc. 1858

Amylic Ether redistilled

(art.) 729 - Ethyl

Silonde (light
menstrual ether)

NaCl, alcohol
80,3 distilled - Cl

with olefiant gas /
 gives Dutch liquid
 Phlog. or volatile Ether.

C_4H_8 & C_4H_6 Substitution Compound.

$C_4H_8Cl_2 - C_4H_7Cl_2$

by Hbl₅, by bl₆.

(64215) I -

Metaphor
Ethnic
Prophetic
Baptistic
Anaphoric

62 34 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

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(Faint handwriting)

(a) (b) (c)

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[illegible]

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(x_1, x_2)

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[illegible]

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$(C_4H_5)O$ Basic oxide, Compound Ether, Ether
Salts, $(C_4H_5)O = \text{Double sulphate of}$
ether & water, $AgO, SO_3 + 2H_2O, SO_3$. (s. vinic acid).
alcohol of SO_3 in excess, black froth -
double sulphate of ether & ethylene. Oleum
Aethericum U.S., heavy oil of wine,
yellow, peculiar odor, with KO ethylene
is excluded and double sulph. of ether
& KO . Ethylene = light oil of wine, deposits
Concrete oil of wine, and liquide is left,
Spir Ether Comp U.S. (Ether, alcohol, ethereal oil),
milky with H_2O . (bad). Nitrate AgO, KO ,
alcohol. Nitr. urea & NO_5 . Hyponitrite

Sweet Spts: Nitro. B. endemio in -
Continuance, Infiltration of urine, incisions
free when swelling has resulted.
Opium & Acet. lead. Catheter in bladder.
Prostatorrhoea,ropy, glutinous fluid,
Drops to $\frac{1}{2}$ in 24 hrs. Confounded with spermator-
rhea more common in adults. Purgation.

Spermatorrhoea. AgO, NO_5 8 or 9 days apart.
Wallace, abscess in breast, 1. Chill, pain, fever,
signs of inflammation, not, barely between nipple
and clavicle, headache, may be suppression of
lochia, - Put leeches on, $\frac{1}{2}$ 25-50 water in
fomentation (bread & chamomile flowers)
Camphor, Dover's powder, have breast and feet
solid diet, not soups &c, abscess points $\frac{1}{2}$

from nipple, after breast open, let child nurse.
Strap up breast. nourish woman well, put arm in
sling. jacket is used, Excoriates nipples. glass
disc &c. not to be on when child is sucking.
Belladonna ointment on breast. "molasses &
wine." McClinton's nipple wash.

Quince seed tea-spoonful (on nipple) soaked in this
Borax " 4
honey " 4
teaspoonful of water, wash cloth or sloughs, Mick
never displace effused General phlebitis. —

leg. Phlegmasia dolens, after 2nd labor
swollen, pallid, colorless, to recur. end
& onward, not after 1st. apt. month may be in
of first week. End of first month, does not fit

toward end of pregnancy. Symptoms, hard, sensitive
signs of pelvis, depression of spirits, pulse 110 —
on pressure, would be a good sign, Anetipa-
white, shining, pain constant, no appetite, nutritious diet
125. inexpressive, tongue milky, good, (3 viii - xx).
tion, wine, scanty, naused, spit. Mercu-
from outlets, put leeches on tender spots. well in

foment, poultice (Spts turp, Sweet oil, 24 hrs.)
ointment all the way up (24 hrs.)
4-6 weeks. Δ. Impregnation takes place

in ovary. Corpus luteum, not sign of im-
pregnation but a sign of pregnancy. is
larger. Beware in judging. G. varicose.

Diseases of the Eye. B. Somatic acid (C₂H₄) O₃
bluish form (C₂H₄) O₃
Glycerin (C₃H₇) O₅ + H₂O.
Same as propyl. oil of bitter almonds

$4H_5O_2$) H - Benzoic acid ($C_6H_5O_2$) $O + HO$
proform (labeled) 3 (60 pts H_2O) + alcohol (2) H_2O
glut floats decant, wash, $CaCl_2$ rectify $S.G. 1.49$ 142°
wet 8 pts. nitro. (NO_3) $Sinks in 30\% + H_2O$.
new U.S.P. C_4H_5O , NO_3 - NO_3 through alcohol
stand + NO_3 give NO_3 - boils at 62° .
 94° agreeable odor. - alcohol + NO_3 (nascent)
 NO_3 + SO_3 give (C_4H_5O, NO_3) + dil. alcohol
spint. KO, CO_2 to remove acidity, 834°
redness litmus develops acid, acetic aldehyde
contaminates it. - acid derivative. Valeric =
Valerianic Fatty Substances Stearin, margarin,
olein, ol. olive, ~~olein~~, morrh. - ether + suet
oil gives stearin ~~olein~~ margarin in human fat
(alcohol + fat), cold on olive oil margarin, olein
in almond oil, Saponification, lye + KOH
stearate = lead, $S + KCl$. add SO_3 . stearic
acid, solid, ($C_{18}H_{35}O_2$, HO , Margarin, NO_3
oxidizing stearic acid (pearl-like). all acids
form ($—$) O_3, H_2O , hardest Kal , stearate.
structure of soap detects lime, opales; plates =
insoluble soap. Common is soluble soap.
Resins Coloring Substances, Cochineal
litmus, - Urea. Concentrate the add NO_3
nitrate of urea, ObO, CO_2 = Carb. urea CaH
acid driven off by heat.

boa constrictor. Ur Experiment 20 with Unrounded
Urato of KO + HCl = Ur + HO + KCl.
Lac. lactic acid NO₅ on ~~boiled~~ ^{Wallace}
~~Sacch~~ Sugar of milk ~~in~~ ^{ates in}
cnyral phlebitis. fatality. Termination - quinia
abscess, exhaustion, Syncope, delirium - Puer-
+ iron, sponge the body. Keep up system, may
peral fever, 70-80 hr. fever symptoms may
be metritis, peritonitis Inflammation (ovaries),
lochia may stop. Symptoms differ. - fall, with
- May. Not contagious, Epidemic, Symptoms
The nearer the time of Confinement, the greater
the danger, - gen. on 3rd day, a chill, pain
over ovary (gen. left at 1st), sharp pain often in
uterus, belly swells, pulse thread-like, quick
rapid, Pulse not the truth, Face, strange
150, Skin hot, breathing 35-40, Tender abdo-
men, rapid spread, lochia gen. suppressed, milk
gone. Careless of Child, tongue creamy, mild
flatulence, no pers. flush. If hectic, nausea
comes, Prognosis good 4 out of 5, death 3-10 days
Morbid Anatomy, Serous inflam: violent
Saidlitz, Gross. neuralgia of eye, bleed
Rochelle salt, ~~the~~ diet, darkened room, Retract
bicarb. soda, on forehead, Puage. Inflamed
T. H. conjunc. Cornea stands out
Scanty, granular conjunc: Scleritis, dull
heavy, gnawing pain, little pus, treat
do Scleromatous, no ptosis.

enitis, hazy - peasy, milky (depositions, pain
~~muscular~~ arrangement of vessels, - Treat antiphlog.
 may be suppuration, mercury. If iris protrude
 and to remedy, Tonics in plug. Iritis, im-
 mobility of iris, pinhead. Color contrast with
 pain deep seated, gen; combined. (Other eye.)
 dilated. In inflam. high, will not obey
 atropia. muscular with serous membrane,
 mercury if lymph, Retinitis, Choroiditis,
 glaucoma, slow. sewing women, agonizing
 pain, plasma & pus, blind pupil dilated
 immovable - Blood, glaucoma, greenish
 iris pushed forward, disorganization. Iris has been
 cut out. No good one would think, Cataract
 circumf. to centre. Spreads Children reverse
 earthy + fatty matter, In Extractions do not
 dilate pupils 2 lines from cornea below
 hor. axis to avoid long cil. artery. [B.]

Animal matter 1. Gelatin, Skins, serous
 tissue, Soluble in water, off. Ichth
 Colla U.S. Kinglass, Russian, staple as Kinglass
 soluble in alcohol + ether, N C 8 52 4 20
 2 Sugar of gelatin, N C 12 13 0 4, Tannin
 forms gelatin with gelatin, #, Albumen
 albumen, fibrin, casein
 serum of blood below
 alcohol, salts of metals precipitate.
 Hydr. albuminate of calomel,
 + chloride of albumen,

or C H O A. p. Fibrin. alcohol &c not
 Solvents, $\begin{matrix} 4 & 36 & 25 & 10 \\ \text{C} & \text{H} & \text{O} & \end{matrix}$ gluten. vegetable fibrin
 Casein. $\begin{matrix} 4 & 36 & 35 & 10 \\ \text{C} & \text{H} & \text{O} & \end{matrix}$ protein, Fatty
Substances, cholesterin, Carbonic acid, oleo-
phosphoric acid, Serolin, red White P. fat.
 $\begin{matrix} 36 & 4 & 8 & 0 \\ \text{C} & \text{H} & \text{O} & \end{matrix}$ Na Cl, Extractive, Creatin
 IV. Saline. cuticle not soluble. 150 pts, bone
Creatinin. $\frac{2}{3}$ mineral, $\begin{pmatrix} 87 \\ 3 \text{ CaO}, 80 \end{pmatrix}$
 $\frac{1}{3}$ animal $\frac{2}{3}$ mineral, $\begin{pmatrix} 3 \text{ NaCl}, \text{Cl}_2 \\ 10 \text{ CaO}, \text{CO}_2 \end{pmatrix}$ Blood, free
metallie iron in bloods } Y. bouching on -
meta petrosa } demmed white n n It com -
denture } minutions, eye must
enamel } Tooth. be closed for 48 hrs.
after extraction. Isinglass
plaster. Linear extraction, $\begin{pmatrix} 1\frac{1}{2} \text{ lines} \end{pmatrix}$. nasal
duct 4 - 5 lines long } B. Urines de
triac phosphate of MgO and 4 H₂O and phos
phosphate of lime. Urex. $\begin{matrix} \text{C} & \text{H} & \text{O} & \text{and} & 4 \text{ H}_2\text{O} = \\ 2 & 2 & 4 & 2 & \\ 2 (\text{H}_3, \text{H}_2\text{O} + \text{Cl}_2) & \text{Uric acid} & 2 \text{ H}_2\text{O}, & \text{N}_4 & 10 & 2 & 4 \\ \text{N H}_2\text{O}, & 2 \text{ MgO} & + & 9 \text{ O}_5 & + & 12 \text{ H}_2\text{O} \end{matrix}$ 1. Ur. 2. Phosphate
of lime, 3. 4. pusible 5. oxalate of
lime, cytic oxide, Xanthine oxide, fibre
really 2 & 3. (72 or 73 lectures given)
Diseases of the ear. Cholesteoma
of zinc in otorrhoea. Wallace.
Autopsies in purpural fever

Wolffian life, may be sudden cessation
of parts - effusion has occurred. Nervous
system overwhelmed. Blackish vomit, sympt
fatal metritis/peritonitis, metritis no crea supⁱⁿ
tongue. = Bleed at beginning. Even in child.
abdomen & opium, open bowels, R, Inf. Lenna
comp, magnesia, foment (Spts: turpentine
+ sweet oil, attend to bladder. Child to breast,
Keep her in bed until 10th day after disease.
Forceps, Hodge's + D's, combined best.
Wallace, Reasons for using forceps, 45 minutes
wait, left male 1st are the same
(blade), warm H₂O, sweet oil, 1st blade
first, over left groin of woman (and
into left side of pelvis, guide by
2 fingers. If difficulty to lock,
depress both blades. Blade to go
toward sacro-iliac symphysis.
Catch it as you can, dis-
place and alter forceps after ro-
tation. Venter to left of head trans-
verse, put 2nd blade in first.
+ put male blade in upside down
in breech, bend head body back,
to get at head, Craniotomy, Meigs.
Q: 2. flat catheter.

Indigestion, { Prescription, Prophylaxis.
 { Prophylaxis, Protein
 { Prunus virginiana
 Benzoic acid. { Pumpkin,
 (80 & 39 for blue skin).
 No 80. Wash

Fe₂Cl₃ tinct. Dr. Bache
 tart; Emet. {
 antimon. wine. {
 Phlegmaria { organic bases
 Dr. Bache, Dissert.

Page 38 Physiological effects
 Botanical Review Phosphorus
 Phosphorus, Phytolacca, Ilex, Pimenta
 [Piper nigrum] Piper liquidum, Phellodendron
 52 Biddle. {
 Pomegranate
 bas. Quince.

Dr. Bache Feb. 10th. no
 Poria officinalis, Polygala sanguinea
 Polygonum hydropiper, Potass. &
 Potassa carb. bicarb. nitrate, tartrate
 tartarate, Sulph. acetate Chlorate
 nitrate of medicinal hypophosphates
 Citrate, bichromate, Permanganate
 Potash, Solanum, Boultice. Potash and
 Milk, flaxseed, corn meal, bark, the
 vinegar

[illegible]

Corpus dentatum.

Corpus fimbriatum.

Cellulae perianth.